Installation Instructions

MOOSE MPI-11

High Powered Siren Driver

APPLICATIONS

The MPI-11 is an economical, high powered, two channel siren driver, which is ideal for residential and commercial security alarm applications. The MPI-11 features clear, high volume sound and fast, easy installation.

FEATURES

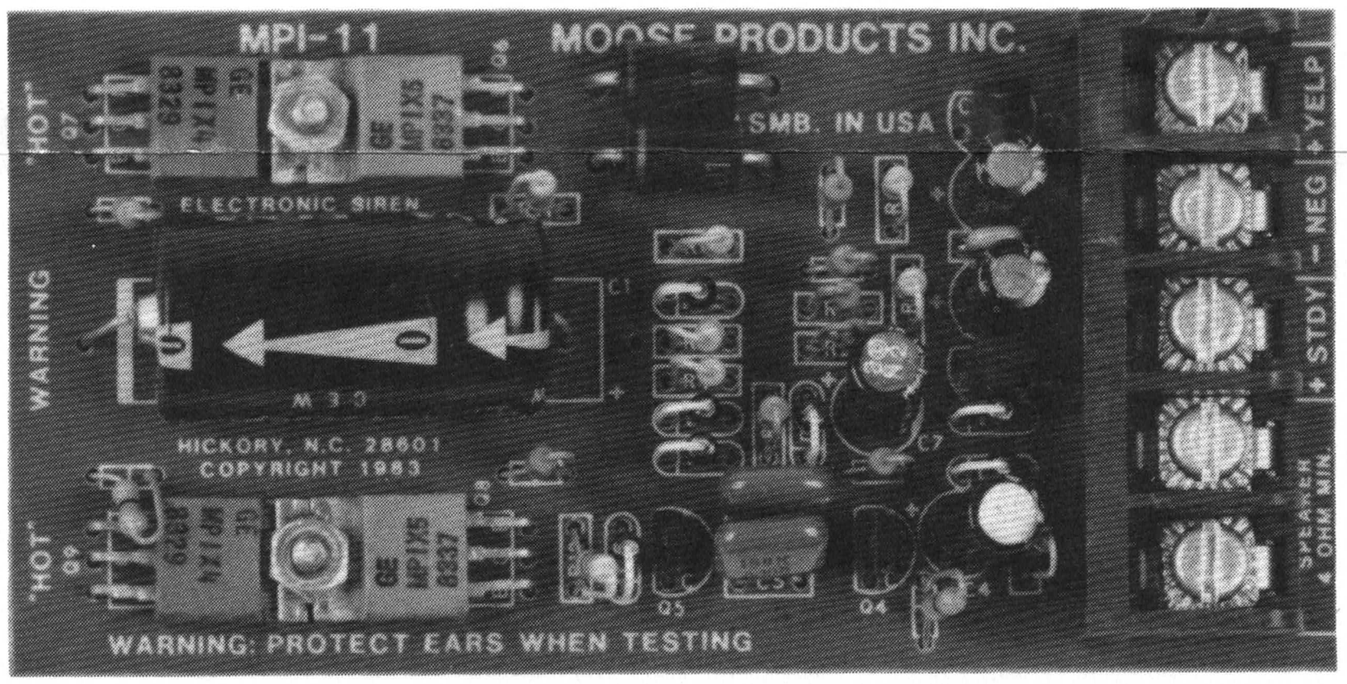
- Two channels: Yelp and Steady tones.
- Compact size.
- Proven performance — the industry standard.
- Steady channel overrides Yelp.
- Reverse polarity protection.
- Fast self-adhesive installation.
- Powers up to 4 speakers.

SPECIFICATIONS

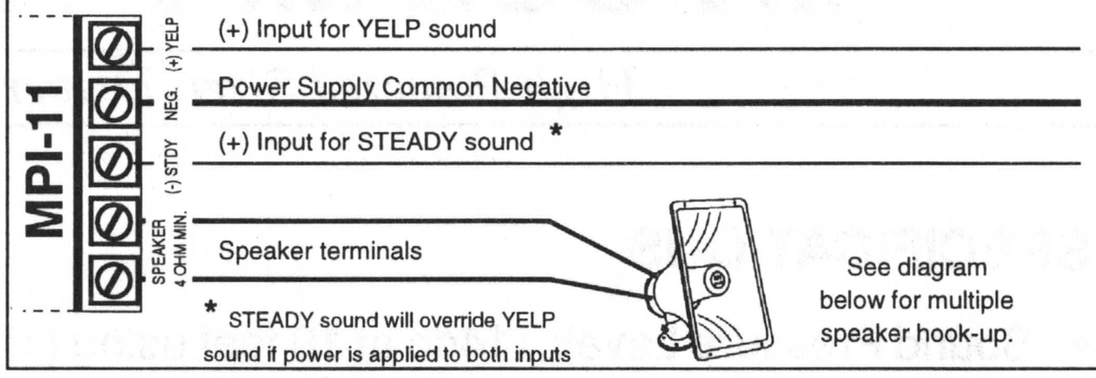
- Sound Pressure Level: 114db at 10 feet using (1) MPI-30 Speaker and a 12VDC power source.
- Power source: Directly powered from control panel or power supply.
- Recommended speaker wire:
  18ga. — up to 150 feet.
  16ga. — over 150 feet.
- Recommended speaker: 30 watt minimum (MPI-30).
- Minimum load: 4 ohms.
- Dimensions: 2.125" x 4.25"
- Current drain:

Operating Voltage	Current Drain	Speaker Load
6.0 volts DC	.5 Amp	8 ohms
6.0 volts DC	1.0 Amp	4 ohms
12.0 volts DC	1.25 Amp	8 ohms
12.0 volts DC	2.5 Amp	4 ohms

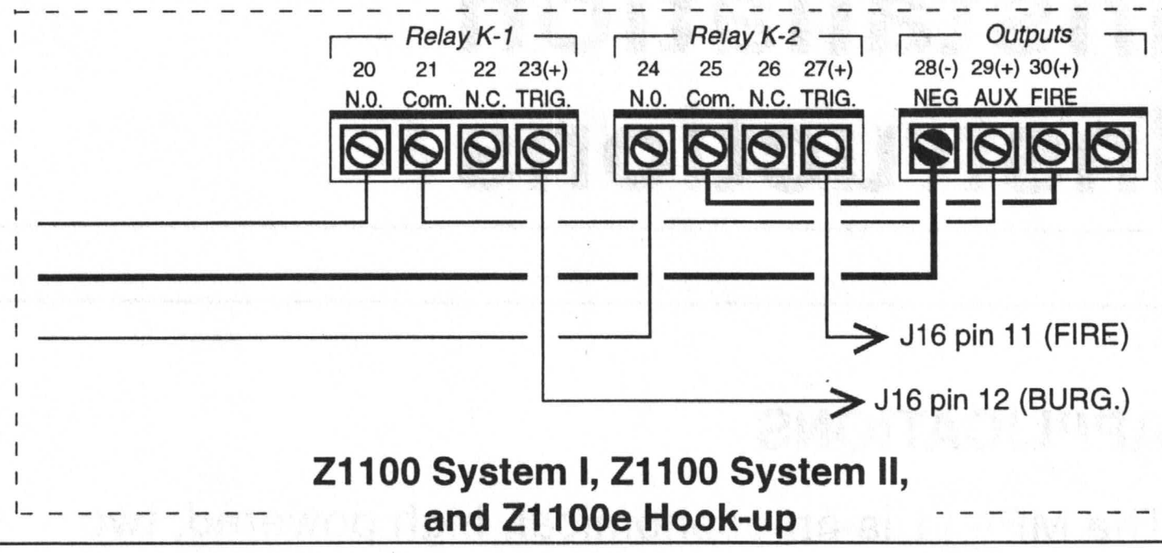
- Operating voltage: 6-10 volts AC/6-15 volts DC.
- Operating temperature: 32°-122°F (0°-+50°C).



Control Panel Hook-up

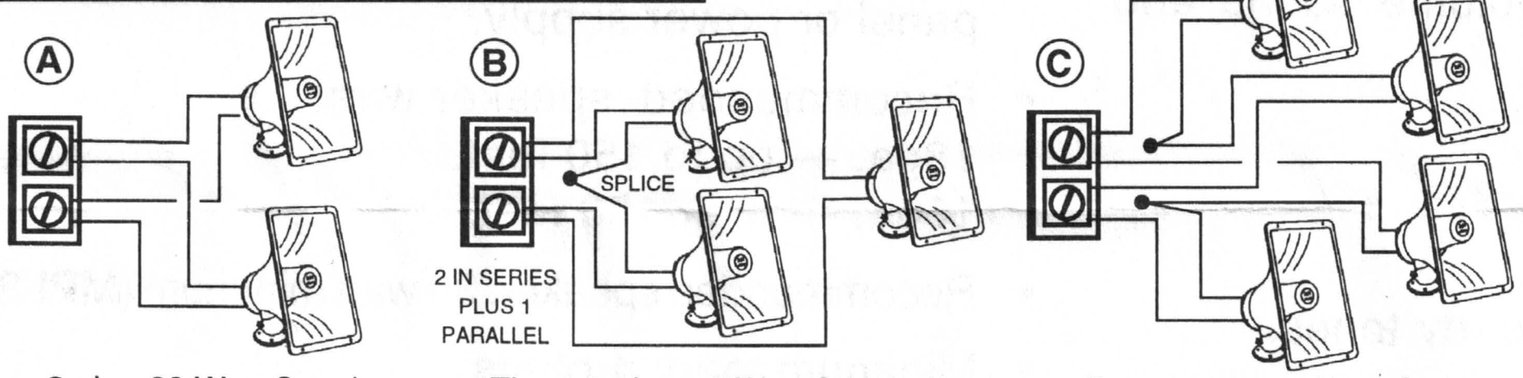

MPI-11
(+) YELP
NEG.
(-) STDY
SPEAKER 4 OHM MIN.
(+) Input for YELP sound
Power Supply Common Negative
(+) Input for STEADY sound *
Speaker terminals
* STEADY sound will override YELP sound if power is applied to both inputs

See diagram below for multiple speaker hook-up.



Z1100 System I, Z1100 System II, and Z1100e Hook-up

Multiple 30 Watt Speaker Hook-up



Two 8 ohm 30 Watt Speakers
2 in PARALLEL = 4 ohm total load

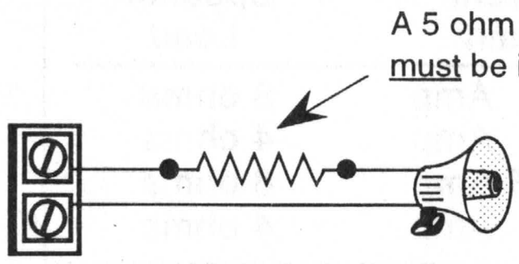
Three 8 ohm 30 Watt Speakers
2 in SERIES + 1 PARALLEL = 6 ohm total load

Four 8 ohm 30 Watt Speakers
2 in SERIES, PARALLELED with 2 in SERIES = 8 ohm total load

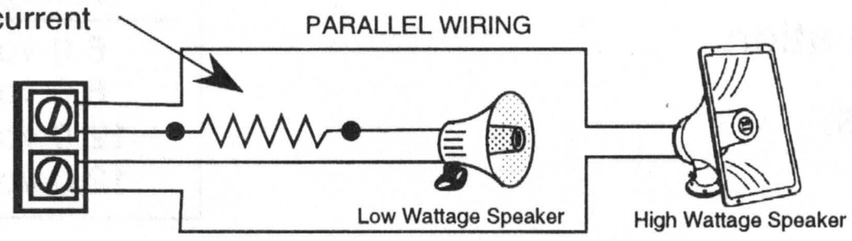
NOTES

1. Recommended 30 watt speakers: MPI-30, MPI-34T, and MPI-39.
2. Home run all speaker cables to control panel.
3. Make splice points of series wired speaker pairs at control panel (illustrations "B" and "C").

10-15 Watt Speaker Hook-up



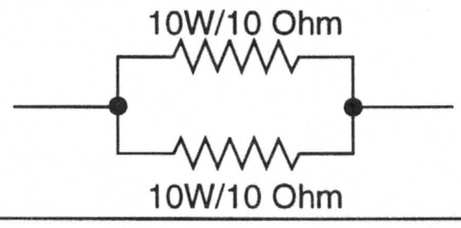
One 4-8 ohm 10-15 Watt Speaker



One 4-8 ohm 10-15 Watt Speaker and One 8 ohm 30 Watt Speaker

NOTES

1. Recommended 10-15 watt speakers: MPI-8, MPI-35, and MPI-35F.
2. A 5 ohm resistor can be constructed by paralleling two 10 ohm, 10 watt wirewound resistors (available through Radio Shack — Part No. 271-132).



MOOSE

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